

## EXHIBIT 2

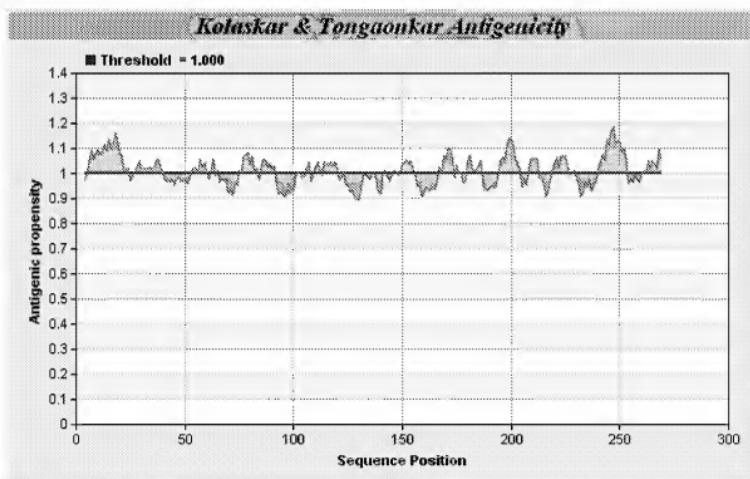
# IEDB Analysis Resource

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## Kolaskar & Tongaonkar Antigenicity

**Sequence:**

1 MNTIFKISAL TLSAALALSA CGKKEAAPAS ASEPAASASAA QCDTSSIGST MQQASYAMGV  
61 DIGS1LKQMK EQGAIDLK V FTDAQMAYID GKEIKMTEEQ AQEVMMKFLQ EQQAKAVERKH  
121 KADAKANKEK GEAFLKNAAA KDCVKITASG LQYKITKQGE CKQPTKDDIV TVEYECRLID  
181 GTVFEDSSKAN GGPATIFPLSQ VIFGWTEGVR LLKEGGEATF YIPSNLAYRE QGAGEKIGPN  
241 ATLVFVDVKLV KIGAPENAPA KQFDQVDIHK VN

**Center position: 4 Window size: 7**[Click here to view plotted values in table format](#)**Predicted peptides:**

No.	Start Position	End Position	Peptide	Peptide Length
1	5	24	FKISALTLSAALALSAACGKK	20

2	27	39	APASASEPAAASA	13
3	53	60	QASYAMGV	8
4	77	83	DLKVFTD	7
5	85	91	MQAVYDG	7
6	114	120	AKAVEKH	7
7	149	155	SGLQYKI	7
8	167	173	DDIVTVE	7
9	180	186	DGTVFDS	7
10	195	204	TFPLSQVIPG	10
11	219	226	TFYIPSNL	8
12	240	253	NATLVFDVKLVKIG	14

**Reference:** Kolaskar AS, Tongaonkar PC. A semi-empirical method for prediction of antigenic determinants on protein antigens. FEBS Lett. 1990 Dec 10;276(1-2):172-4.

**Scale values:** A:1.064, C:1.412, D:0.866, E:0.851, F:1.091, G:0.874, H:1.105, I:1.152, K:0.93, L:1.25, M:0.826, N:0.776, P:1.064, Q:1.015, R:0.873, S:1.012, T:0.909, V:1.383, W:0.893, Y:1.161